Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/06/2022 10:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123617	-2	2.69	123501	2.69
Blue	F	SSC	125000	124396	-1	3.21	124839	3.19
Blue	E	FITC	14284	13529	-6	3.44	378	14.04
Blue	D	PE	23919	23574	-2	3.10	559	11.02
Blue	B	PerCP-Cy5-5	31332	30473	-3	4.02	871	15.85
Blue	A	PE-Cy7	22272	21828	-2	5.93	452	31.90
Red	C	APC	47768	47761	-1	2.76	1644	11.77
Red	A	APC-Cy7	25313	24764	-3	3.13	698	12.81
Violet	B	V450	7085	6715	-6	3.87	466	11.62
Violet	A	V500	26969	26051	-4	3.45	892	8.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23616	4.39	587	-2	N/A	N/A	Pass
Blue	F	SSC	55530	2.94	524	3	N/A	N/A	Pass
Blue	E	FITC	57	51.89	495	-6	0.0382	0	Pass
Blue	D	PE	107	39.54	494	-3	0.3629	255	Pass
Blue	B	PerCP-Cy5-5	137	43.24	584	-4	0.0177	60	Pass
Blue	A	PE-Cy7	75	83.92	631	-4	0.0208	5	Pass
Red	C	APC	341	26.76	583	3	0.0267	186	Pass
Red	A	APC-Cy7	130	36.37	556	1	0.0059	1412	Pass
Violet	B	V450	80	46.71	452	-11	0.0552	2232	Pass
Violet	A	V500	105	31.21	464	-10	0.0252	879	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.51	-31.31	1.11
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	13.61	13.60 - 20.40	N/A	N/A	29.74	29.96	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 13942

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments